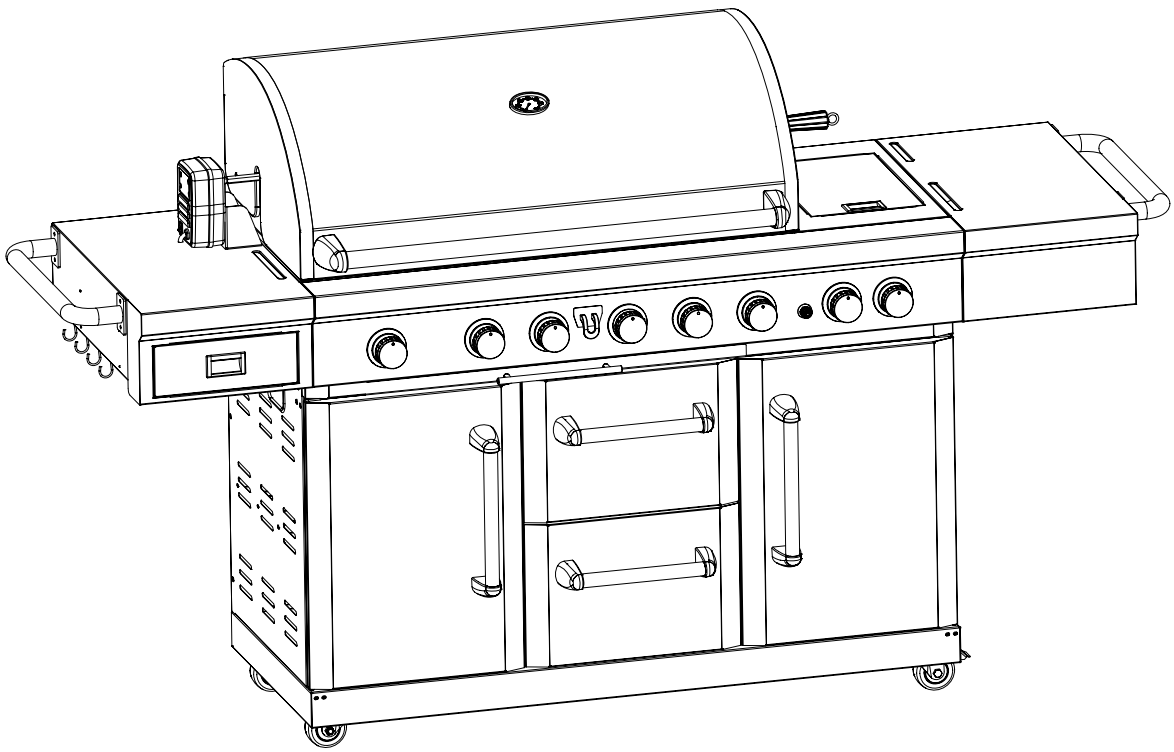
BRANDER



All STAINLESS STEEL GAS BBQ GRILL

USER'S MANUAL

MODEL NUMBER: PG-50601SRL

CUSTOMER SERVICE: (888)-287-0735

FOR OUTDOOR USE ONLY

LIMITED WARRANTY

Model Number: PG-50601SRLA
PermaSteel All Stainless Steel BBQ Grill

We warrant to the original consumer purchaser ("Purchaser") of the PermaSteel All Stainless Steel BBQ Grill ("Product") that each Product shall be free from defects in workmanship and materials for a period of the years listed below from the date of original purchase. Our obligation under this warranty shall be limited to repair or replacement of, or adequate compensation for, the Product, at the option of us, during the warranty period. Our liability shall not extend beyond repair or replacement, or the cost equivalent thereto.

This warranty excludes normal wear and tear of the Product and its parts or components, and any damage arising from any of the following: negligent use or misuse of the Product, use contrary to this User's Manual, or alteration by any one other than us. The warranty period of the years listed below shall not be extended or renewed by the repair or replacement of, or compensation for, the Product.

If your Product is defective or otherwise requires service or parts, please first call PermaSteel Customer Service toll-free at (888)-287-0735, between 8:00 a.m. and 5:00 p.m., PST. Please tell us which model you purchased, the date of purchase, and the problem with your Product. We will use our very best efforts to honor this warranty, and repair, replace or compensate you for your Product through your original place of purchase. A copy of your original purchase receipt must accompany your service request.

Component	Warranty Period:
Burners:	1 Year
Stainless Steel Flame Tamer:	1 Year
Stainless Steel Cooking Grids:	1 Year
Valves:	1 Year
Frame, Housing, Cart, Control Panel, Igniter, and Related Parts:	1 Year
All Stainless Steel Parts:	1 Year

LIMITATION OF REMEDIES AND LIABILITY

We shall not be liable for any incidental or consequential damages for breach of any express or implied warranty on its Product. Except to the extent prohibited by applicable law, any implied warranty or merchantability or fitness for a particular purpose on this Product shall be limited to the duration of the above warranty. Neither us nor anyone else who has been involved in the creation, production, or delivery of the Product shall be liable for damages of any type, including but not limited to any lost profits, lost savings, loss of anticipated benefits, or other incidental or consequential damages which may arise out of the purchase, use, or inability to use the Product, whether arising out of contract, negligence, strict tort, or under any warranty, or otherwise, even if you have been advised of the possibility of such damage or any other claim by any other party. Our liability for any breach of warranty shall be limited to repair or replacement of the defective part or parts as described above. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. The above warranty gives you specific legal rights, and you may have other rights which vary from state to state.

Notice:PermaSteel provides the PVC cover for your convenience only. We do not provide warranty for PVC cover.

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MESSAGE TO OUR USERS

Thank you for your purchase of our All Stainless Steel BBQ Gas Grill. We sincerely wish you will enjoy using our fine products.

- Please read this User's Manual in its entirety before using the grill.
- Please contact our customer service at (888)-287-0735 if you have any questions.
- Please read this User's Manual carefully. Failure to follow the provided instruction can result in seriously bodily injury and/or property damage.
- Some parts of this grill may have sharp edges. Please wear suitable protective gloves.

IMPORTANT: This grill is intended for outdoor use only and is not intended to be installed in or on recreational vehicles or boats.

NOTE TO INSTALLER: Leave this User's Manual with the customer after delivery and/or installation.

NOTE TO CONSUMER: Leave this User's Manual in a convenient place for future reference.

SAFETY SYMBOLS

The symbols listed here are being used through out this User's Manual. Please pay special attention to them. The meaning of each of the symbols is listed here:

- **DANGER–** this symbol indicates an imminently hazardous situation which will result in death or serious bodily injury if not properly followed.
- **WARNING**– this symbol indicates a warning of potential serious bodily injury if the instructions are not strictly followed. Please be sure to read and follow all these messages carefully.
- **CAUTION** – this symbol indicates a potentially hazardous situation which may result in minor or moderate bodily injury if the instructions are not properly followed.

INSTALLATION

⚠ WARNING

READ THIS SECTION FIRST BEFORE INSTALLING THE GRILL

- Your grill has been designed to operate using only the gas specified on the rating plate. Do not attempt to operate your grill with other gases.Failure to follow this warning may result in a fire hazard and bodily harm, and PermaSteel will void your warranty.
- The installation of this appliance must conform with local codes or, in the absence of local codes, with either the **National Fuel Gas Code, ANSI Z223. 1/NFPA 54, or CAN/CGA- B149.1; Natural Gas and Propane.**
- All electric accessories (such as rotisserie) must be electrically grounded in accordance with local codes, or **National Electrical Code, ANSI/NFPA 70**, or **Canadian Electrical Code, CSA C22.1**. Keep any electrical cords and/or fuel supply hoses away from any hot surfaces.
- This grill is safety certified for use in the United States and Canada only. Never modify to use in other places. Modification may cause serious bodily injury or property damage. PermaSteel is not responsible for any modifications, and all warranties will be void.

GAS WARNING

⚠ WARNING

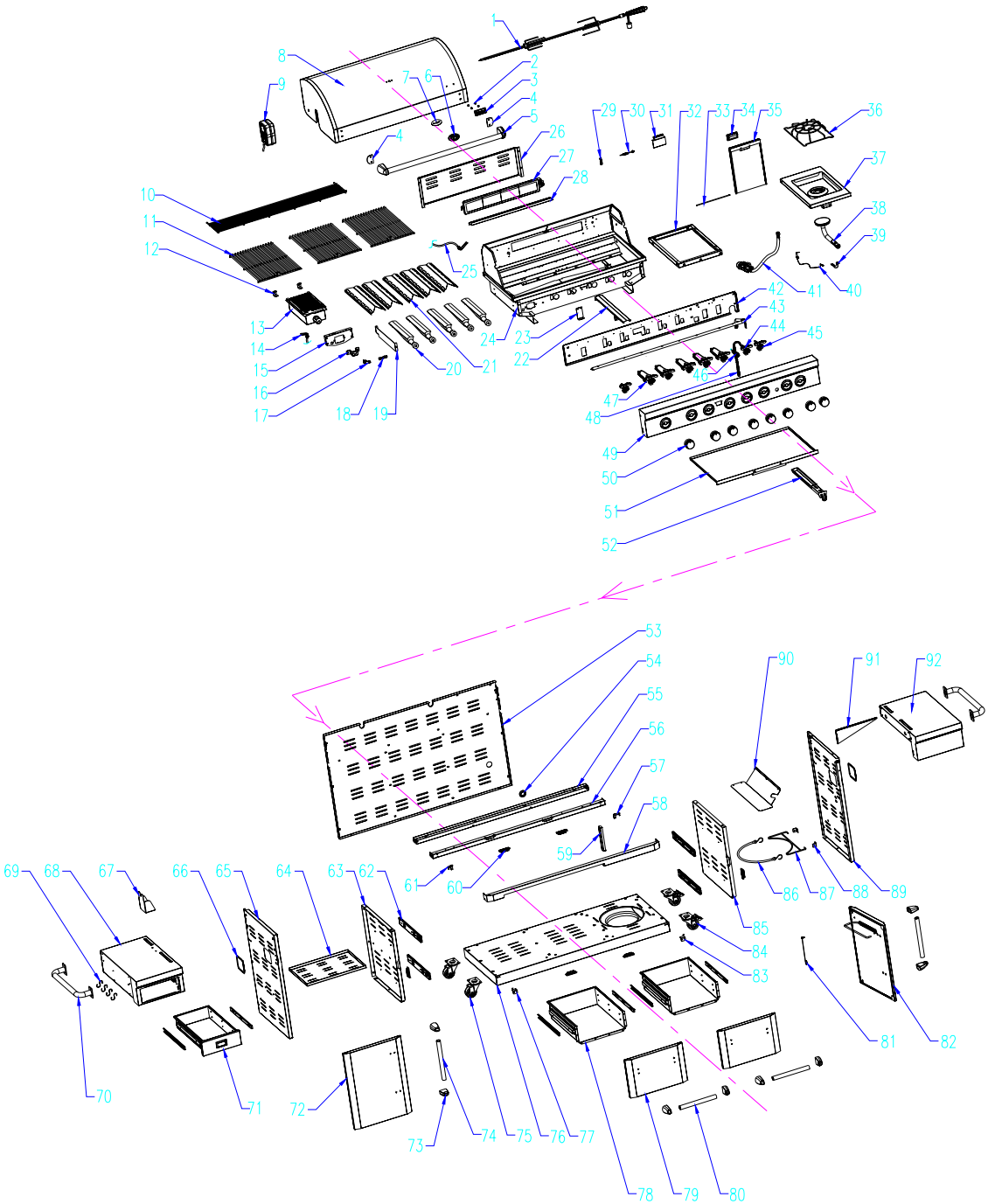
FOR YOUR SAFETY, PLEASE READ THIS SECTION FIRST

- If you smell gas:
  - Shut off gas to the grill.
  - Extinguish any open flames immediately.
  - Open the grill lid.
  - If the odor persists, please call your gas supplier or your fire department immediately.
- Do not store or use gasoline or other flammable items in the vicinity of this grill.
- Any LP cylinder that is not connected for use should not be stored in the vicinity of this grill.

GRILL PARTS LIST

REF#	DESCRIPTION	Q'TY	REF#	DESCRIPTION	Q'TY
1	Rotisserie Kit	1	47	Valves	5
2	Clip Rings	2	48	Corrugated Pipe A	1
3	Name Plate	1	49	Control Panel	1
4	Lid Handle Seats	2	50	Knobs	8
5	Lid Handle	1	51	Grease Tray	1
6	Temp. Gauge	1	52	Smoker	1
7	Temp. Gauge Seat	1	53	Back Panel	1
8	Double-layer Lid	1	54	Hose Bushing	1
9	Motor	1	55	Back Transom	1
10	Warming Rack	1	56	Front Transom	1
11	Cooking Grids	3	57	Right Upper Door Hinge Bracket	1
12	Rear Burner Back Bracket	1	58	Door Bracket	1
13	Searing Burner	1	59	Firebox Bracket	1
14	Ignition Electrod, Searing Burner	1	60	Magnets	6
15	Searing Burner Bracket	1	61	Left Upper Door Hinge Bracket	1
16	Injector Bracket	1	62	Sliding Bards	4
17	Injector	1	63	Left Clapboard	1
18	Corrougated Pipe B	1	64	Top Clapboard	1
19	Heat Shield , Searing Burner	1	65	Left Panel	1
20	Main Burners	5	66	PVC Washers	2
21	Flamer Tamers	5	67	Motor Bracket	1
22	Smoke Cover	1	68	Left Side Shelf	1
23	Grease Tray Bracket	1	69	S-style Hooks	4
24	Firebox	1	70	Push Bars	2
25	Ignition Electrode,Rear Burner	1	71	Left Side Drawer	1
26	Rear Panel	1	72	Left Side Door	1
27	Rear Burner	1	73	Handle Seats	8
28	Rear Burner Cover	1	74	Handle	1
29	Thermocouple Bracket	1	75	Casters Without Brake	2
30	Thermocouple	1	76	Bottom Panel	1
31	Thermocouple Cover	1	77	Left Lower Door Hinge Bracket	1
32	Side Shelf Support Bracket	1	78	Drawers	2
33	Hinge, Side Burner Lid	1	79	Drawer Front Panels	2
34	Lid Handle	1	80	Drawer Handles	2
35	Side Burner Lid	1	81	Ignitor Rod	1
36	Cooking Grid, Side Burner	1	82	Right Door	1
37	Side Burner Base	1	83	Right Lower Door Hinge Bracket	
38	Side Burner	1	84	Casters With Brake	2
39	Side Burner Bracket	1	85	Right Clapboard	1
40	Ignition Electrode,Side Burner	1	86	Tank Holder Rubber Strap	1
41	Regulator	1	87	Tank Holder	1
42	Valve Bracket	1	88	Tank Holder Brackets	2
43	Mainfold	1	89	Right Panel	1
44	Rear Burner Valve	1	90	Right Heat Shield	1
45	Side Burner Valve	1	91	Right Side Shelf Bracket	1
46	Safty Switch & Bottom	1	92	Right Side Shelf	1

GRILL PARTS DIAGRAM

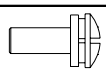


ASSEMBLY INSTRUCTIONS

PLEASE READ AND FOLLOW THE INSTRUCTIONS CAREFULLY STEP BY STEP

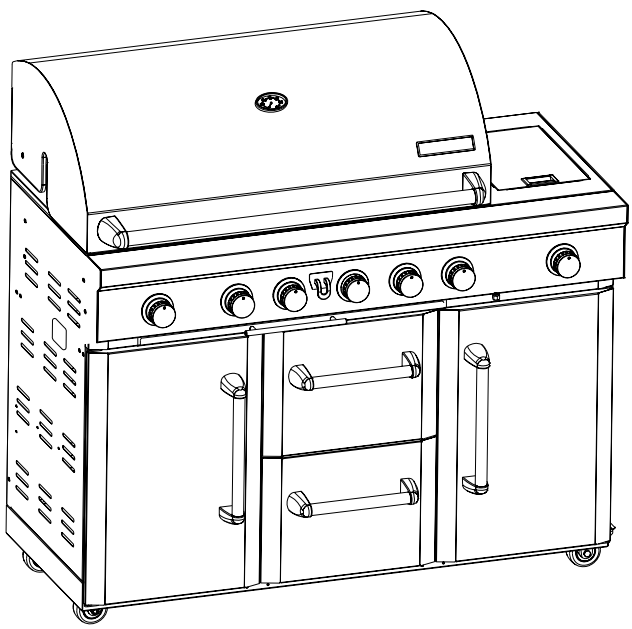
Tools Required:

- #2 Philips head screwdriver (not provided)
- Hexagon/Allen wrench (provided).
- The following hardware kit is provided and packed in rotisserie motor carton:

Item	Description	Specification	Quantity
1	Truss head screw (With Split lock And Gasket) 	1/4-20x1/2”	20pcs
2	Truss head screw (With Split lock And Gasket)	5/32-32x3/8”	5pcs
3	Hexagon Wrench		1pc
4	BBQ hooks		4pcs

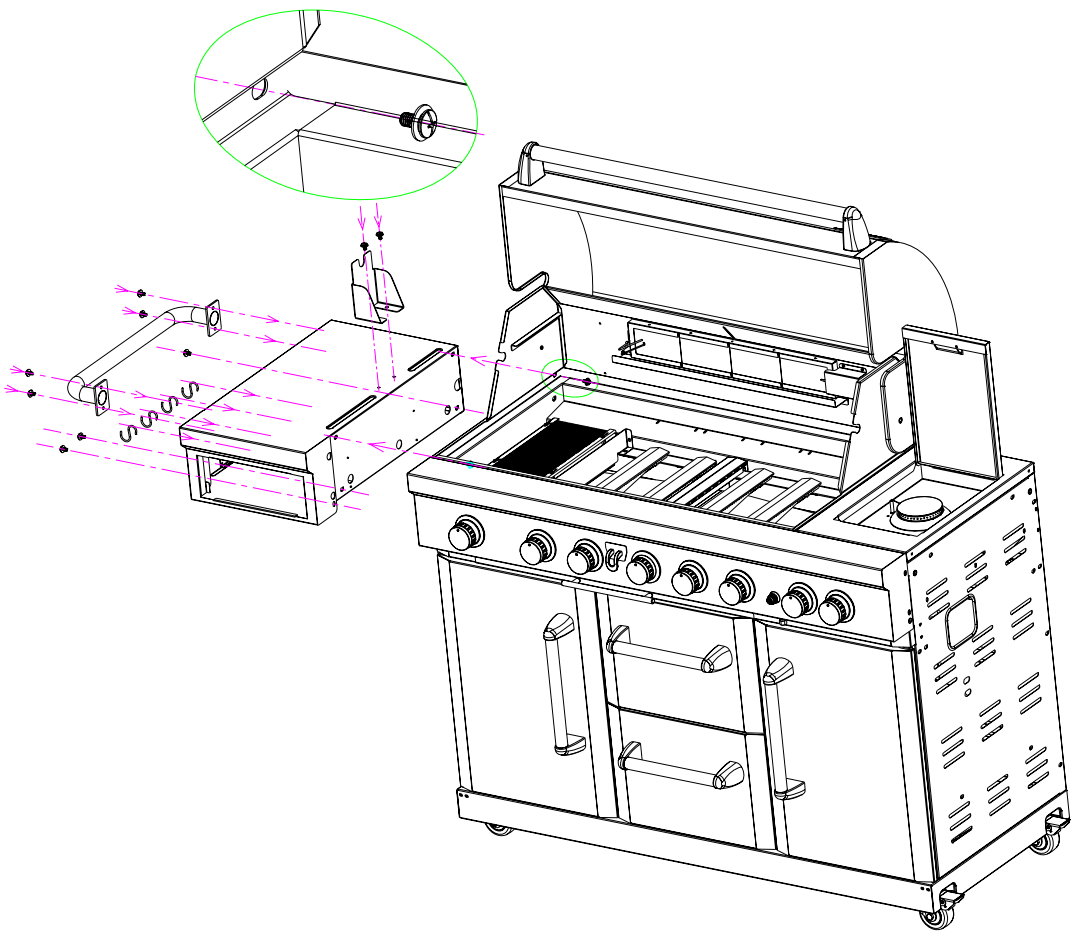
STEP I:

- Take out main body of grill from carton. Remove all the packing materials.



STEP II:

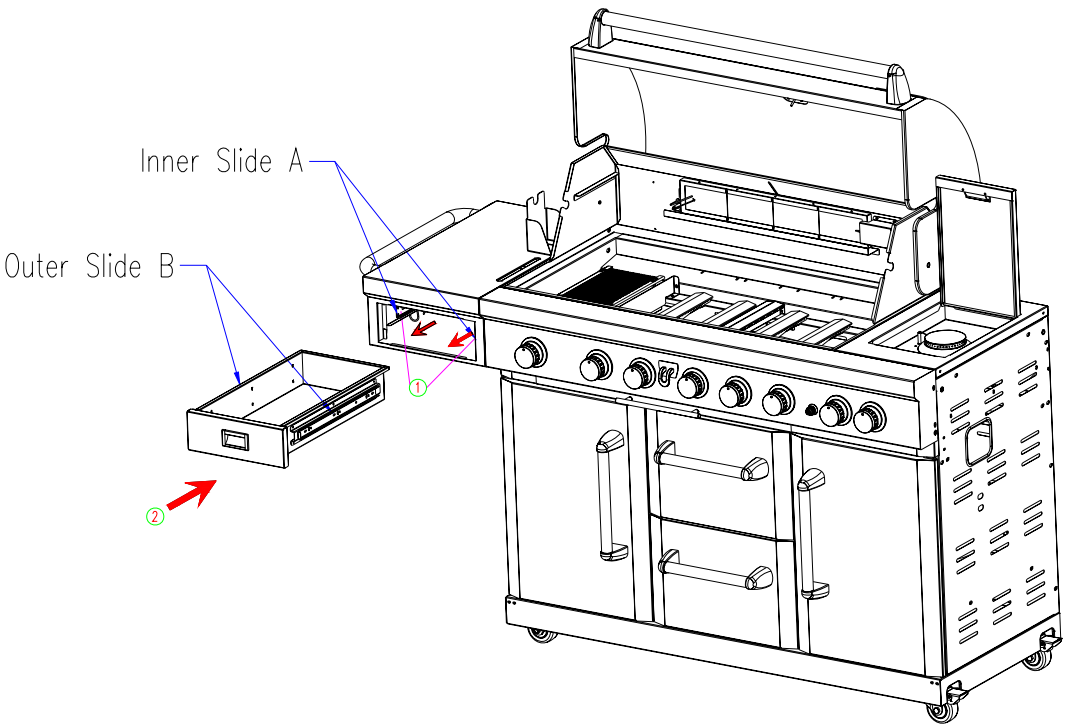
- Take out left side shelf from carton.
- Use two 1/4-20x1/2” screws to attach left side shelf from inside of the firebox, and use three same screws to attach it from outside of firebox.
- Use four 1/4-20x1/2” screws to attach push bar to left side shelf.
- Use two 1/4-20x1/2” screws to install motor bracket on left side shelf.
- Take out four S-style BBQ tool hooks from the hardware bag, then hang on the edge of the left side shelf.



STEP III:

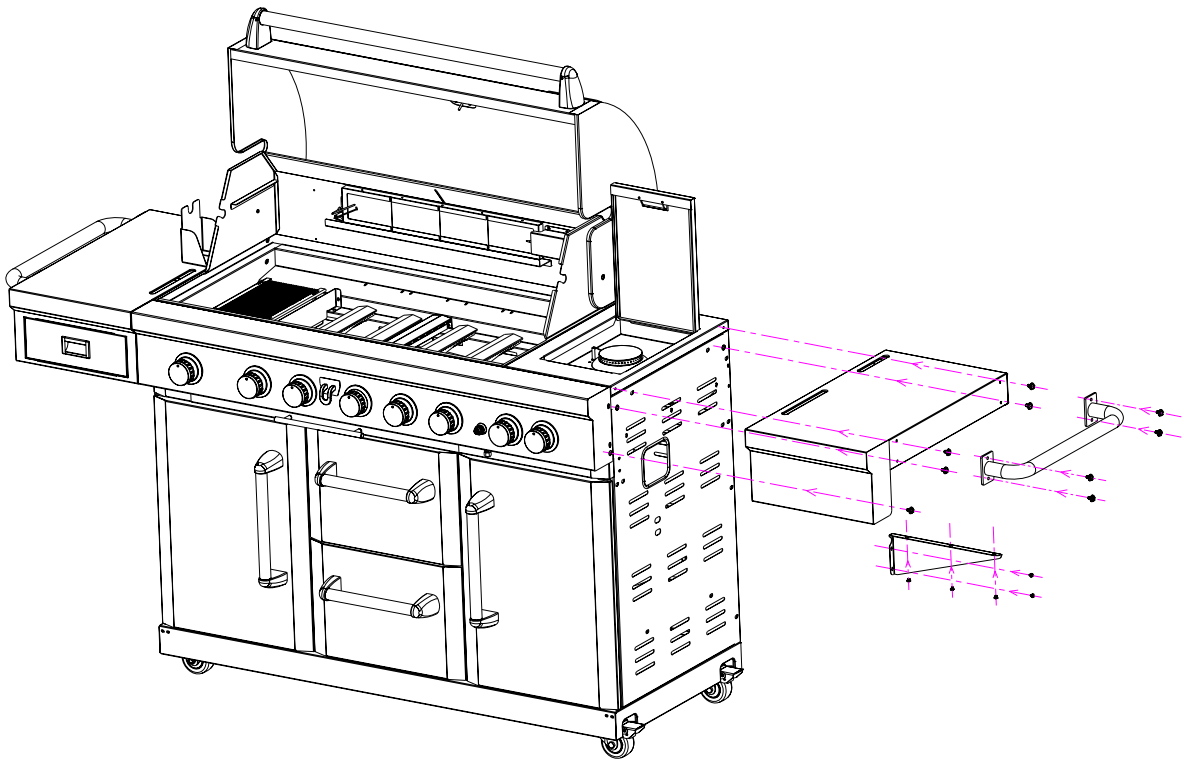
- Remove the left side shelf drawer from inside grill cabinet.
- Pull out the two drawers inner slides (A) attached to left side shelf, all the way out.
- Insert the drawer into left shelf , make sure the outer slides (B) insert into the inner slides (A) push drawer in evenly and slowly on both sides.

Notice:push drawer in and out until it goes in smoothly and will not fall of slides when pulled out ,if not please re-insert outer slides (B) into inner slides (A) and repeat the steps.



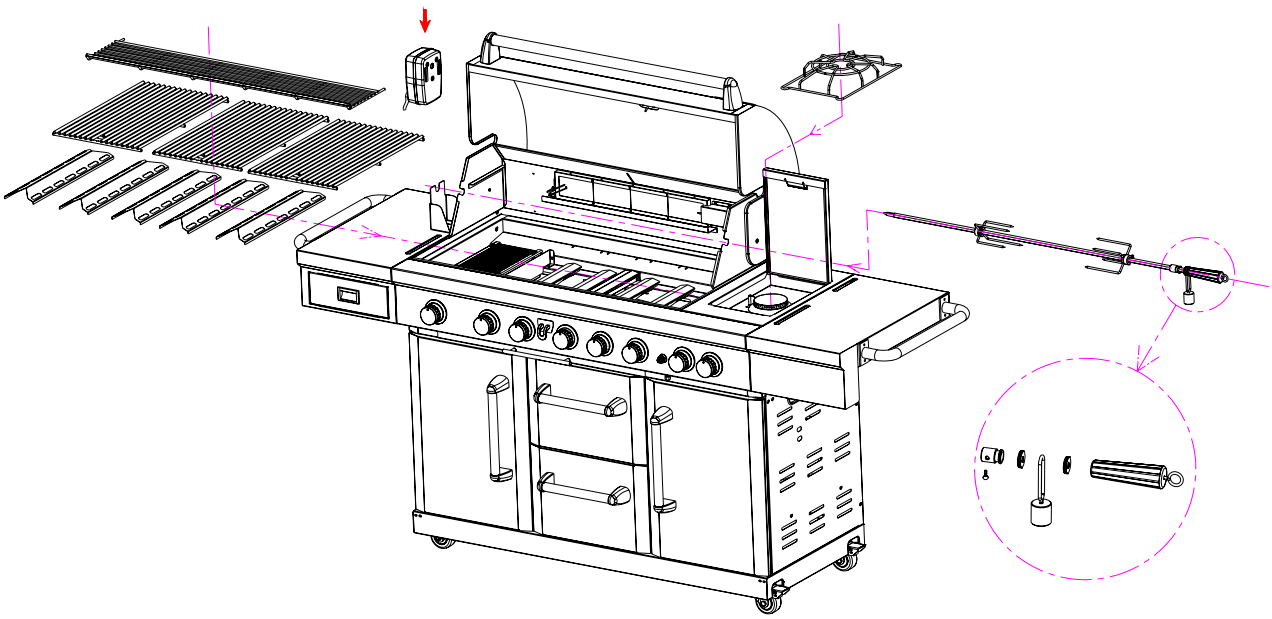
STEP IV:

- Take out right side shelf from carton.
- Use two 1/4-20x1/2” screws to attach right side shelf from inside of the firebox, and use three same screws to attach it from outside of firebox.
- Use three 5/32-32x1/2” screws to attach right side shelf angle iron to side shelf, and also use two same screws to attach it to firebox from outside.
- Use four 1/4-20x1/2” screws to attach push bar to right side shelf.



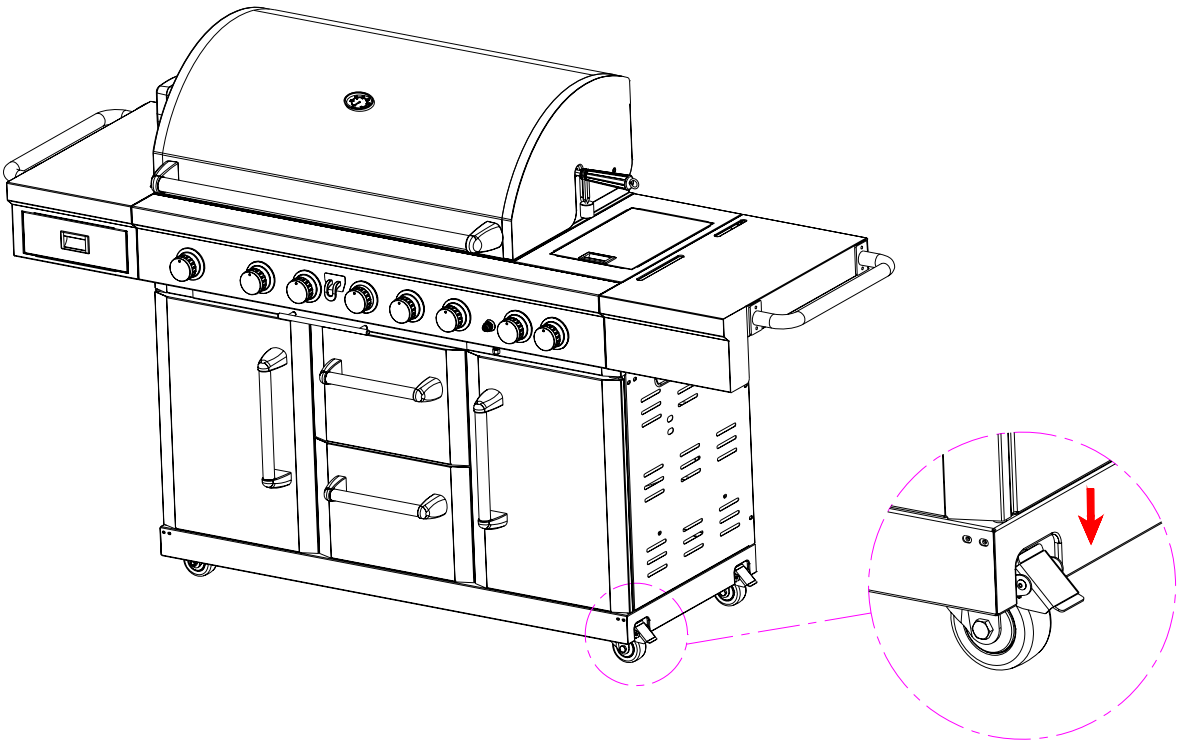
STEP V:

- Remove rotisserie rod from back panel packing foam, take out handle, Prongs, and counter balance and shaft collar from rotisserie carton.
- Tread key washers and counter balance onto treaded end of rotisserie rod ,next tread handle and tighten, slide shaft collar through other side of rod followed by the two prongs, (forks should be pointing towards each other)tighten thumb screws on shaft collar and prongs.
- Remove packing material from flame tamers, cooking grids and warming rack , then place them in the proper positions shown below.



STEP VI:

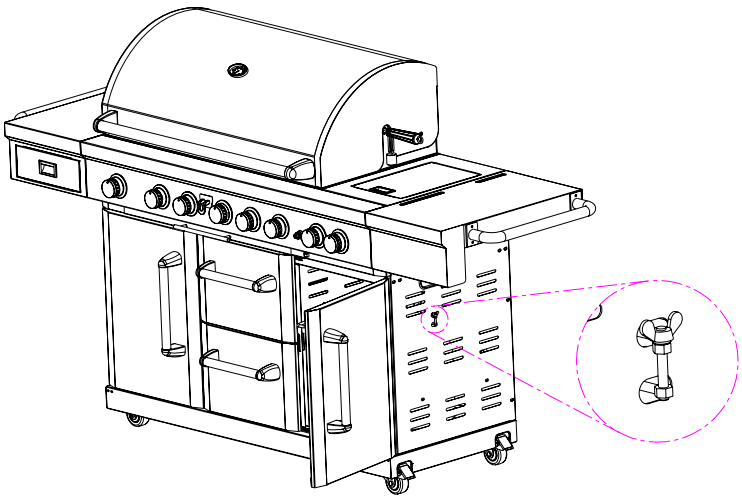
- When the grill is in the desired location, lock the caster brakes, this will keep the grill unit in place for safe operation.

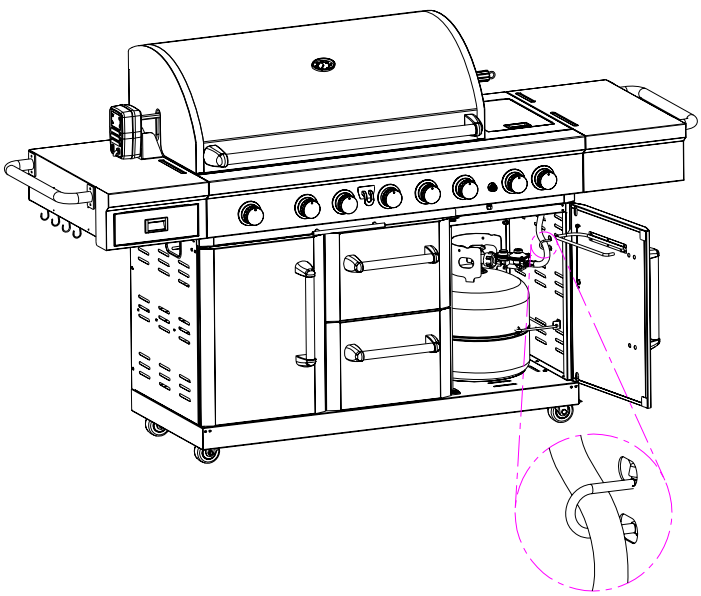


Safety Notice:

- The regulator hose(natural gas hose) should go through the U shaped bracket, in order to prevent the hose from lifting up and touching the hot firebox.

Note: if replacing regulator (natural gas hose) please make sure to put regulator hose (natural gas hose) through U shape bracket.





GAS CONNECTION

WARNING

IMPORTANT: Your grill has been designed to operate using only the gas specified on the rating plate. Do not attempt to operate your grill with other gases. Failure to follow this warning may result in a fire hazard and bodily harm.

CONNECTION FOR LIQUID PROPANE GAS(LPG) GRILLS:

Your LP gas grill is factory built to operate using liquid propane gas only. Never attempt to operate your grill on gases other than the type specified on the grill rating plates.

Your regulator supplied with your liquid propane gas grill is set for 11inch water column pressure and is for use with propane gas only.The regulator and factory supplied hose assembly must be used when operating your grill with a 20lbs LP gas cylinder. If replacement of the hose and/or regulator becomes necessary, factory specified parts are required.

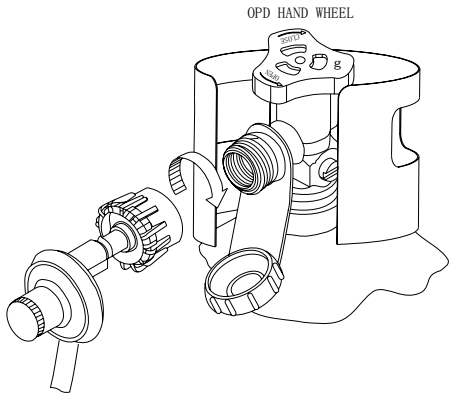
- **LP TANK USED WITH YOUR GRILL MUST MEET THE FOLLOWING**
  1) Measurement: 12''(30.5cm) (Diameter) X 18'' (45.7cm) (Tall) .
  2) Maximum Capacity: 20lbs(9Kg).
  3) Constructed and marked in accordance with the specification for LP gas cylinders of the U.S. Department of Transportation (DOT) or the National Standard of Canada, CAN/CSA-B339, Cylinders, Spheres and Tubes for the Transportation of Dangerous Goods..
  4) Is arranged for vapor withdrawal.
  5) Includes a collar to protect the tank valve.
  6) Provides a shut-ff valve terminating in an LP gas tank valve outlet.

- **LP TANK VALVE USED MUST MEET THE FOLLOWING**
  1) Have type I connection complying with the latest edition of ANSI Z21.58.
  2) Have safety relief valve.
  3) UL listed Overfill Protection Device (OPD), This OPD safety feature is identified by a unique triangular hand wheel.

- **FOR YOUR SAFETY**

  Ensure that the black plastic grommets of the regulator provided are in place and that the hose does not come into contact with the heat shield or the grill head.

GAS CONNECTION



- **CONNECT THE REGULATOR TO THE LP TANK**

VERY IMPORTANT:

- THE REGULATOR SHALL NOT BE IN A LOCATION THAT WILL ATTAIN A TEMPERATURE ABOVE 140℉（60℃）.

- THE REGULATOR SHALL INCORPORATE A PRESSURE RELIEF VALVE OR OVERPRESSURE DEVICE.

- THE INLET OF THE PRESSURE REGULATOR SHALL BE FITTED TO CONNECT THE TYPE I CONNECTION OF THE TANK VALVE PER ANSIZ21.81.

1) Make sure tank valve is in its full OFF position (turn clockwise to stop).
2) Check tank valve to assure it has proper external male threads (type I connection per ANSIZ21.81).
3) Make sure all burner knobs are in their OFF position.
4) Remove the protective cap from LP tank valve. Always use cap and strap supplied with valve.
5) Inspect valve connection port and regulator assembly. Look for any damage or debris. Remove any debris. Inspect hose for damage. Never attempt to use damaged or plugged equipment. Contact your local LP gas dealer for repair.
6) When connecting regulator assembly to the valve, hand tighten nut clockwise to a positive stop. Do not use a wrench to tighten. Use of a wrench may damage quick coupling nut and result in a hazardous condition.
7) Open tank valve fully (counterclockwise). Use a soapy water solution to check all connections for leaks before attempting to light grill. If a leak is found, turn tank valve off and do not use grill until a local L.P gas dealer can make repairs.

- **DISCONNECT THE TANK WHEN THIS GRILL IS NOT IN USE**

1) Turn all the knobs off.
2) Turn the tank valve off fully (turn clockwise to stop).
3) Detach the regulator assembly from tank valve by turning the quick coupling nut counterclockwise.
4) Install the protective cap back onto the LP tank valve.

GAS CONNECTION

WARNING

- Never insert any foreign objects into the valve outlet. It may damage the valve and cause leak, leaking gas may result in fire, explosion, heavy body injury, or even death.
- Do not use this grill until leak tested.
- If you cannot stop a gas leak, close the LP tank valve IMMEDIATELY, call LP gas supplier or the fire department.

DANGER

- NEVER store a spare LP tank under or near grill or in an enclosed area.
- NEVER fill the tank beyond 80% full. An overfilled spare LP tank is dangerous because surplus gas may leak from safety relief valve. The safety relief valve on a LP tank could activate to release gas and cause a fire.
- The spare LP tank must have safety caps installed on the LP tank outlet.
- If any gas leaks are found on the spare LP tank, immediately step away from the grill, and call the fire department.

CONNECTION FOR NATURAL GAS(NG) GRILLS:

Your natural gas grill is factory built to operate using natural gas only. Never attempt to operate your grill on gases other than the type specified on the grill rating plates.

Your grill operates at 7 inch water column pressure.Verify supply pressure with your local gas company. If supply pressure is different than 7 inch, contact a certified plumber for assistance. Not for use with LP gas.

- **BEFORE CONNECTION:**
  The natural gas hose and assemble are not supplied with this grill. Please purchase a CSA approved Hose and assemble in local reputable dealer.

  Hose and assembly are CSA listed for natural gas, manufacturer gas, mixed gas and for liquefied petroleum and for LP Gas-Air mixtures on basis of 0.64 specific gravity for 1000 BTU's per cubic foot of gas at 0.3 inch water column pressure drop. Only ANSI Z21.54 approved hoses should be used with this grill.

  The appliance and its individual shut off valve must be disconnected from the gas supply piping system during any pressure testing on that system at test pressures in excess of 1/2 psi (3.5Kpa).

GAS CONNECTION

The appliance must be isolated from the gas supply piping system by closing its individual manual shut off valve during any pressure testing of the gas supply piping system at test pressure equal to or less than 1/2 psi (3.5Kpa).

WARNING

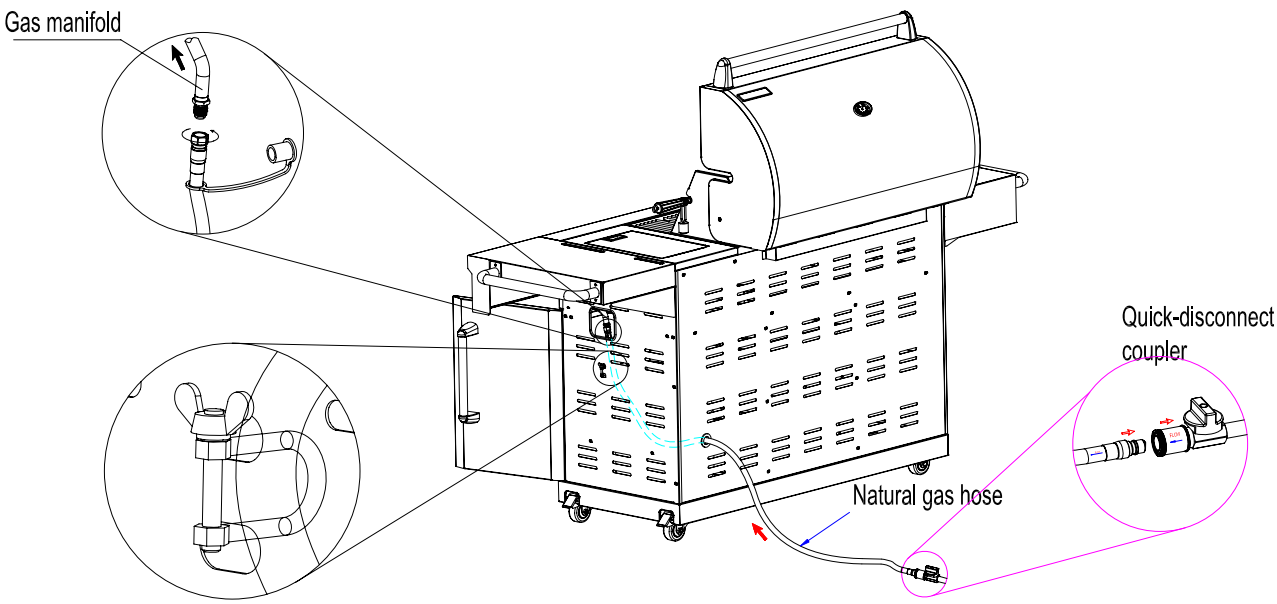
Do not use hard metal piping of any kind to connect this type of grill to natural gas source. Use only hose specified by reputable dealer. Using hard metal piping or convoluted metal tubing is an unsafe practice. Movement of the grill can cause breakage of metal pipe.

DANGER

Connection should be made by a certified plumber. Supply the plumber with a copy of these instructions. Incorrect connection can result in a gas leak with possibility of fire.

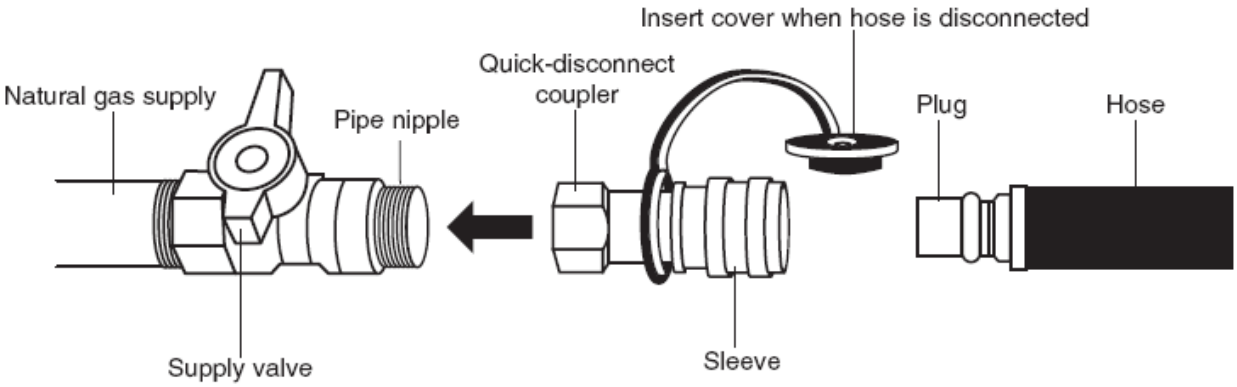
- **CONNECT YOUR GRILL TO NATURAL GAS SOURCE**

1. Insert the inlet connection to grill cabinet from back of grill. Tighten it to gas manifold with wrench. Make sure to put natural gas hose through U shape bracket.
   Notice: The natural gas hose and assemble are not supplied with this grill.

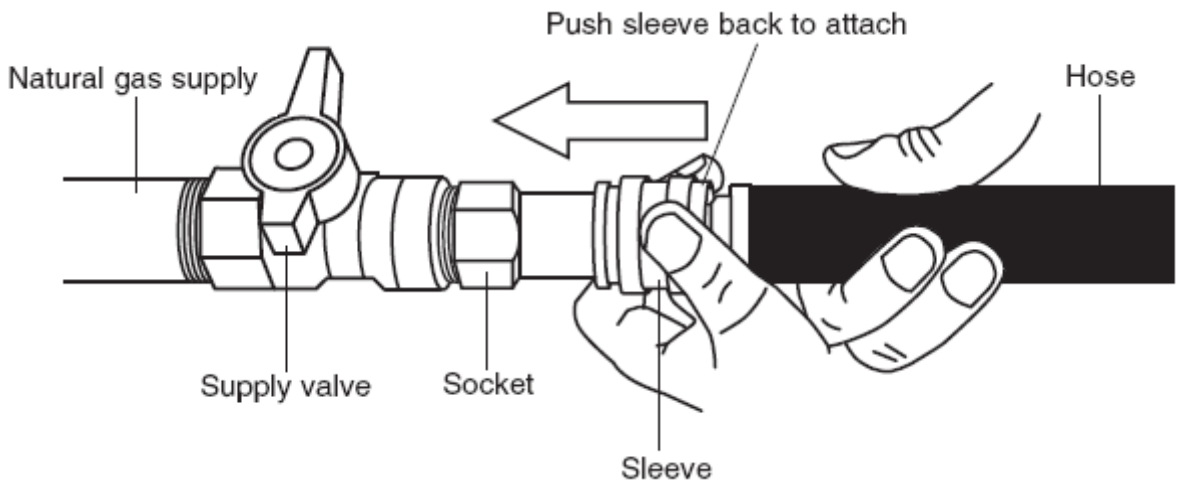


GAS CONNECTION

2. Coat pipe nipple with gas resistant teflon tape or pipe dope. Tighten quick-disconnect coupler onto pipe nipple that leads to natural gas supply.



3. After grill is completely assembled, make sure natural gas supply valve is “OFF” and then connect natural gas hose to socket. Push sleeve back on socket and insert plug until sleeve snaps forward, locking plug into socket. Be sure to leak test these connections prior to use.



Notice: Please also follow the instructions which attached on the natural gas hose assemble you purchase for connection steps.

- **DISCONNECT YOUR GRILL FROM THE NATURAL GAS SOURCE**
  1) Turn natural gas supply valve to “ OFF ”position.
  2) Push sleeve back and pull plug out of sleeve.

LEAK TESTING

- **GENERAL**

Although all gas connections on the grill are leak tested at the factory prior to shipment, a complete gas tightness check must be performed at the installation site due to possible mishandling in shipment, or excessive pressure unknowingly being applied to the unit. Periodically check the whole system for leaks, or immediately check if the smell of gas is detected.

- **BEFORE TESTING**

1) Make sure that all packing material is removed from the grill including the burner tie-down straps.
2) Do not smoke while leak testing.
3) Never leak test with an open flame.
4) Make a soap solution with one part liquid detergent and another part water. Prepare a spray bottle, brush, or rag to apply the solution to the connections. For the initial leak test, make sure the cylinder is full.
5) Grill must be leak tested outdoors in a well-ventilated area, away from ignition sources such as gas fired or electrical appliances, and flammable materials.
6) Keep grill away from open flames and/or sparks while testing.

- **TO TEST GAS LEAK ON LP GAS GRILLS**

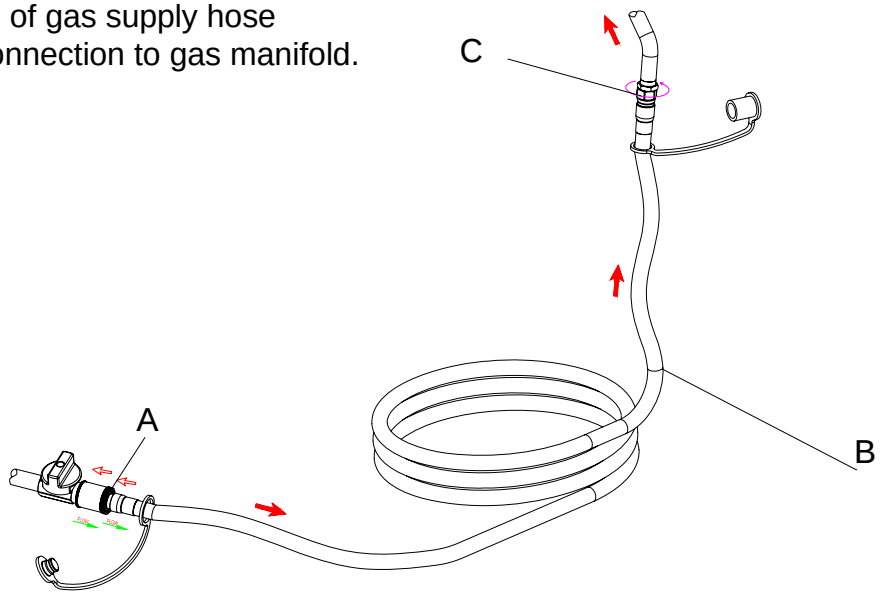
1) Make sure all control knobs are in the " OFF " position.
2) Make sure the regulator is connected to the tank tightly.
3) Completely open tank valve by turning counter clockwise. If you hear a "POP" sound, turn gas off IMMEDIATELY, as it indicates a heavy leak at the connection. Call your gas dealer or fire department.
4) Check every connection from the tank up to and including the connection to the manifold pipe assembly (the pipe that goes to the burner) by brushing or spraying the soapy solution on the connections.
5) If soap bubbles appear, there is a leak. Turn off tank valve IMMEDIATELY and retighten connections, open tank valve again, and recheck.
6) If leaks cannot be stopped, DO NOT ATTEMPT TO REPAIR. Call our service center for help.
7) Always close the tank valve after leak testing by turning clockwise.

Only those parts recommended by the manufacturer should be used on the grill. Substitution will void the warranty. Do not use the grill until all connections have been checked and do not leak.

LEAK TESTING

- **SAFETY TIPS:**
  1) Always check for leaks after every gas tank change.
  2) Always check for leaks before each use.
  3) Check all gas supply fittings for leaks before each use. It is handy to keep a spray bottle of soapy water near the shut-off valve of the gas supply line. Spray all the fittings. Bubbles indicate leaks.
  4) Disconnected gas cylinders must have threaded valve plugs tightly installed, and must not be stored in a building, garage, or any other enclosed areas.
  5) Turn off all control knobs and gas tank valve when the grill is not in use.
  6) If the appliance is stored indoors, the gas tank must be disconnected and removed from the grill.
  7) Gas tanks must store outdoors in a well-ventilated area. Disconnected gas tanks in storage or being transported must have a safety cap.
  8) Never leave a gas tank in a recreational vehicle or boat which may become overheated by the sun.
  9) Do not store gas tank in or near an area where children play.

- **TO TEST GAS LEAK ON NATURAL GAS GRILL**
  1) Make sure all control knobs are in the " ● OFF " position.
  2) Turn on the natural gas supply. If you hear a hissing and rushing sound, turn gas off immediately. There is a major leak at the connection. Correct before proceeding.
  3) Create a mixture of half water and half liquid dishwashing soap. Brush soapy solution onto the following:
     A. Quick-disconnect coupler
     B. The full length of gas supply hose
     C. Gas supply connection to gas manifold.



FINAL INSTALLATION CHECKLIST

WARNING

PRE-START CHECKLIST:

Property damage, bodily harm, severe burns, and death could result from failure to follow these safety steps. These steps should be performed after the grill has been assembled, stored, moved, cleaned, or repaired, DO NOT operate this grill until you have read and understand ALL of the warning and instructions in this manual.

- ❑ Ensure that the grill is properly assembled.
- ❑ The LP regulator & hose connected to grill are provided by the manufacturer.
- ❑ Inspect the natural gas supply hose for burns, chaffing, kinks, and proper routing before each use. If it is evident there is excessive abrasion or wear, or the hose is cut, it must be replaced prior the grill being used.
- ❑ Leak check all gas connections and hose.
- ❑ All internal packaging removed.
- ❑ Burners are sitting properly on orifices.
- ❑ Knobs turn freely.
- ❑ Properly place the empty grease tray onto grease tray brackets to catch grease during use.
- ❑ User informed of gas supply shut off valve location.
- ❑ Position your grill on lever ground in a well ventilated location, at least 36” clearance maintained from combustible materials, buildings and overhangs.
- ❑ Ensure that all electrical supply cords are properly grounded. Keep any electrical supply cord and the fuel supply hose away from any heated surfaces. Hose should be at least 3 inches from hot surfaces.
- ❑ There is no unprotected combustible construction material over the grill.
- ❑ Do not obstruct the flow of combustion and ventilation air.

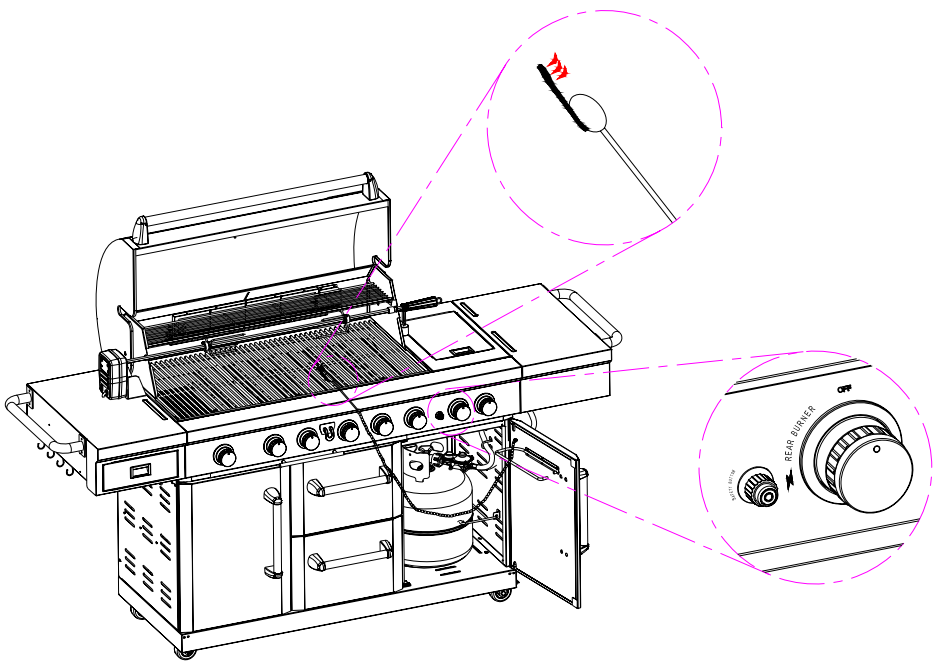
GRILL LIGHTING INSTRUCTION

VERY IMPORTANT: ALWAYS INSPECT THE HOSE PRIOR TO EACH USE.

- **BEFORE LIGHTING:**
  Inspect the gas supply hose before turning the gas "✸". If there is evidence of cuts, wear, or abrasion, it must be replaced before use. The replacement hose assembly must be that specified by the manufacturer.

- **VERY IMPORTANT: TO LIGHT MAIN AND SIDE BURNERS OF THE GRILL:**
  1) Read instructions before lighting.
  2) Turn all knobs to "● OFF" then open the tank valve. Always keep your face and body as far from the grill as possible when lighting.
  3) Open lid during lighting.
  4) Push and turn any control knob slowly to "✸" position. The built-in igniter will click and spark simultaneously to light the pilot and burner in sequence. Turn the control knob to "● OFF" "IMMEDIATELY if the burner does not light within 5 seconds. Wait 5 minutes for gas to dispel, then repeat the lighting procedure.
  5) Follow match lighting instructions if burner can't be lit after repeating 3-4 times.

- **TO LIGHT MAIN AND SIDE BURNERS BY MATCH: (AS THE FOLLOWING FIGURE SHOWS)**
  If the burner will not light after several attempts then the burner can be match lit.
  Tools: Lighting rod (hanging behind the right door)



GRILL LIGHTING INSTRUCTION

Usage:

1) Read instructions before lighting.
2) Open the lid during lighting.
3) Simply place a lighted match between the coils on the end of the lighting rod and hold next to the burner to ignite.
4) Push and turn the knob to " " position, make sure the burner lights and stays lighted.
5) Repeat 3.4 to light other burners.
6) Keep a spray bottle of soapy water near the gas supply valve and check the connections before each use. Do not light the grill if odor of gas is present, call out service center.

- **FLAME CHARACTERISTICS:**

1) Check for proper burner flame characteristics. Each burner is adjusted prior to shipment; however, variations in the local gas supply may take subtle necessary adjustments.
2) Burner flames should be blue and stable with small yellow tips, no excessive noise, or lifting. If any of these conditions exist call our customer service line. If the flame is yellow, it indicates insufficient air. If the flame is noisy and tends to lift away from the burner, it indicates too much air.
3) Small yellow tips are ok.

- **TO LIGHT THE REAR BURNER OF THE GRILL:**

1) Read instructions before lighting.
2) Turn all knobs to "OFF" then open the tank valve. Always keep your face and body as far from the grill as possible when lighting.
3) Open lid during lighting.
4) Push down the safety valve switch button and hold on with right hand, allowing the gas to reach the burner.
5) Push and turn rear burner knob slowly to " " position with left hand 2 seconds later than push down the button. The built-in igniter will click and spark simultaneously to light the burner once burner lights. Keep pressing safety valve button for 15 seconds to allow the safety valve to open. Turn the control knob to " OFF "and release the button IMMEDIATELY if the burner does not light within 5 seconds. Wait 5 minutes for gas to dispel, then repeat the lighting procedure.
6) Follow match lighting instruction if burner can't be lit after repeating 3-4 times.

GRILL LIGHTING INSTRUCTION

- **TO LIGHT THE REAR BURNER BY MATCH:**
  1) Read instructions before lighting.
  2) Open the lid during lighting.
  3) Push and turn the rear burner knobs slowly to " " position, then release.
  4) Push down the safety valve switch button with right hand and hold on, light by match with left hand. Make sure the burner lights and stays lighted.

- **TO LIGHT THE SEARING BURNER OF THE GRILL:**
  1) Read instructions before lighting.
  2) Turn all knobs to "OFF " then open the tank valve. Always keep your face and body as far from the grill as possible when lighting.
  3) Open lid during lighting.
  4) Push and turn searing burner knob slowly to " " position with left hand 2 seconds later. The built-in igniter will click and spark simultaneously to light the burner once burner lights. Turn the control knob to " OFF " and release the button IMMEDIATELY if the burner does not light within 5 seconds. Wait 5 minutes for gas to dispel, then repeat the lighting procedure.
  5) Follow match lighting instruction if burner can't be lit after repeating 3-4 times.

- **TO LIGHT THE SEARING BURNER BY MATCH:**
  1) Read instructions before lighting.
  2) Open the lid during lighting.
  3) Push and turn the searing burner knobs slowly to " " position, then release.
  4) Light by match. Make sure the burner lights and stays lighted.

OPERATING INSTRUCTION

- **TOTAL GAS CONSUMPTION:**

Total gas consumption (per hour) of PG-50601SRL grill with all burners on "HI":

Main burners	60,000 Btu/hr
Searing burner	16,000 Btu/hr
Rear burner	14,000 Btu/hr
Side burner	12,000 Btu/hr
Total	102,000 Btu/hr

OPERATING INSTRUCTION

- **USING THE GRILL:**

Grilling requires high heat for searing and proper browning. Most foods are cooked at the " " heat setting for the entire cooking time. However, when grilling large pieces of meat or poultry, it may be necessary to turn the heat to a lower setting after the initial browning. This cooks the food through without burning the outside. Foods cooked for a long time or basted with a sugary marinade may need a lower heat setting near the end of the cooking time.

1) Make sure the grill has been leak tested and is properly located.
2) Remove any packing material.
3) Light the grill burners using the instructions in this manual.
4) Turn the control knob to " " and preheat the grill for 15 minutes.
5) The grill lid is to be closed during the appliance preheat period.
6) Place the food on the grill and cook to the desired doneness. Adjust heat setting, if necessary. The control knob may be set to any position between " " and " LO ".
7) The grill is designed to grill efficiently without the use of lava rocks or briquettes of any kind. Heat is radiated by the stainless steel flame tamers under the cooking grids.
8) The hot grill sears the food, sealing in the juices. The longer the preheat, the faster the meat browns.

- **USING THE SIDE BURNER:**

1) The side burner can be used to prepare side dishes such as beans, potatoes, corn, or to warm sauces.
2) Never close the side burner lid when the burner is lit.
3) Use a 10" (25cm) diameter pot or smaller that does NOT have an extended handle when cooking on the side burner. Center pot over burner.
4) Use caution to avoid bumping grills, side burner or pot to prevent pot from spilling contents possibly leading to severs burns.
5) Do not use side burner to deep fry food in oil to avoid dangers associated with oil igniting creating a very dangerous situation.
6) Remove the rotisserie kit when use side burner.

- **USING ROTISSERIE KIT:**

1) Take off the rotisserie kit from the grill.
2) Slide off the left fork, and load the meat or poultry onto the rod.
3) Restore the left fork, put two forks into the meat or poultry as far as possible. Make sure the meat or poultry is located in the middle of the rod. Screw the wing nuts of the fork as tight as possible.
4) Wrap the food with butchers string (never use nylon or plastic string) to secure any loose portions, if necessary.
5) Restore the rotisserie kit into the motor.

CARE & MAINTENANCE

- **MAINTENANCE**

1) Keep the grill area clear and free from combustible materials, gasoline and other flammable vapors and liquids.
2) Keep the holes in the three sides of the cart clear and free from debris, thus ensure the flow of combustion and ventilation air is unobstructed.
3) Visually check burner flames as following:
   - Remove cooking grids and flame tamers.
   - Light burners.
   - Turn knobs from " ✸ " to " LO ", check the flame status, the flame in " LO " position should be smaller than in " ✸ " position, as figure shown below.
   - Always check flame before each use, see TROUBLESHOOTING if any abnormal status found.

- **CLEANING**
- **Stainless steel surfaces:** To maintain your grill's high quality appearance, wash with mild detergent and warm soapy water and wipe dry with a soft cloth after each use, Baked-on grease deposits may require the use of an abrasive plastic cleaning pad.
- **Porcelain surfaces:** Because of glass-like composition, most residue can be wiped away with baking soda/water solution or specially formulated cleaner. Use nonabrasive scouring powder for stubborn stains.
- **Painted surfaces:** Wash with mild detergent or nonabrasive cleaner and warm soapy water. Wipe dry with a soft nonabrasive cloth.
- **Granite surfaces:** If the appliance is equipped with a granite countertop, to protect granite countertops against stains and discoloration, use a high quality penetrating sealant made specifically for granite. The sealant should be applied periodically throughout the year.

  For standard maintenance on granite countertops, wipe with warm water or mild soapy water. Cleaners made specifically for cleaning granite may be used as necessary. Do not use vinegar, cleaners that contain acid, abrasive cleaners, or furniture polish.We suggest the following routine care:
  • Clean up spills immediately;
  • Dust with an untreated cloth;
  • Use coasters;
  • Keep planters off the surface;
  • Always keep covered when not in use.

TROUBLE SHOOTING

- **BEFORE CALLING FOR SERVICE**

Please check the following problems/solutions before contact our service center.

PROBLEMS	POSSIBLE CAUSE	SOLUTIONS
Burner won't light after turning and pushing the knobs	Electrode deposited with cooking residues	Use clean swab and alcohol to clean.
	Electrode damaged	Replace.
	Electrode wires are loose or fall off	Reconnect or replace with new electrode assembly with wires.
	Orifice blocked	Check the orifice for blockage.
	Wire is shorting	Replace with new electrode assembly with wires.
Burner can't light by match	No gas	Open the LP tank valve / Replace LP tank valve
	Gas flow is not smooth	Clear burner tubes
	Incorrect assembly between burner and valve	Re-assemble
Yellow or orange flame with gas odor	Incomplete combustion	Call our customer service center at (888)-287-0735
Low heat with knob in "HI" position.	Gas hose bent or kinked	Smooth out the hose.
	Burner or orifice blocked.	Clear blockage.
	Low gas pressure	Call the gas dealer.
	Grill not preheated	Preheat the grill for 15 minutes.
Flare-up	Excessive meat fat	Cut off fat before grilling.
	Temp. too high	Adjust
	Grease deposit	Clean
Flame out	High winds	Find a less windy place.
Flame lifting	Too high of a gas pressure	Call the gas dealer.
Flashback	Burner port blocked	Clean burner port.
Grease fire	Grease accumulated in food	Turn off knobs and LP tank valve. Leave lid open and let fire burn out. Clean the grill after cooling.

FOOD SAFETY

- **FOOD SAFETY:**

1) Always follow the following tips to enjoy safe and healthy outdoor grilling.
2) Always use hot soapy water to wash hands, surfaces & utensils after processing raw meat.
3) Always separate raw meat from cooked foods to avoid cross-contamination.
4) Always use clean utensils to handle the food.
5) Always cook the meat thoroughly to kill germs. Use a thermometer to inspect the inner temp. of the meat, if necessary.
6) Place the cooked foods and leftovers promptly into the refrigerator when done eating.

VERY IMPORTANT: DO NOT LEAVE THE GRILL UNATTENDED WHILE COOKING.

GRILL STORAGE

- **SPIDER AND INSECT WARNING**

Spiders and insects can nest in the burners after storing. These nests can cause fires inside the tube or beneath the grill. This is a very dangerous condition. So always clean the burners before use.

- **WHEN TO LOOK FOR SPIDERS**

Inspect the burners at least once a year or immediately if any of the following conditions occur:

1) Yellow flame with burning smell.
2) Temperature wont rise.
3) Heats unevenly.
4) Burners make popping noises.

- **GRILL STORAGE**

1) Clean the grill.
2) Store the grill in a well-ventilated, dry outdoor area. Keep out of the reach of children when tank is connected to the grill.
3) Store the grill in dry indoors ONLY after the tank is turned off and removed, or disconnect from the natural gas source.The tank must be stored outdoors, out of the reach of children. NEVER store the tank in a building, garage or any other enclosed area.
4) Put on the supplied vinyl cover.

PRODUCT REGISTRATION

Thank you for purchasing the PermaSteel Grill. In order to register your product to receive streamlined customer service, please fill out the following Product Registration form and (1) fax the form and a copy of your receipt to FAX # 909-287-0733, or (2) mail the form and a copy of your receipt to PermaSteel Inc, 14231 Fern Avenue, Building 10, Chino, CA 91710.

PRODUCT REGISTRATION

First Name:_____ **Last Name:**_____

Address:_____

City:_____ **State:**___ **Zip Code:**_____

Email Address:_____ **Phone:**____-____-_____

Product Model #:_____ **Date of Purchase:**____/____/____

Retail Store Location of Purchase:_____

Please rate the importance of each feature (1=least important; 10=most important)
Quality____ Price____ Size/Capacity____ Cooking Area____ Appearance____ Other____

What other brands did you seriously consider before making this purchase?
DCS_ CharBroil_ Brinkman_ Members Mark_ Lynx_ Other_
Did not consider other brands_

How did you hear about our product?
Magazine Ad_ Catalog_ Salesperson_ Word of Mouth_ Internet_
Store Display_ Other_

Marital Status Single_ Married_
Household Income Below $50,000_ $50,000-$150,000_ $150,000+_
Education High School_ College_ Graduate School_
Primary Residence Own_ Rent_
Comments/Suggestions:_____
_____

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